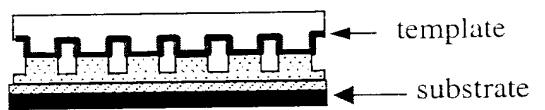
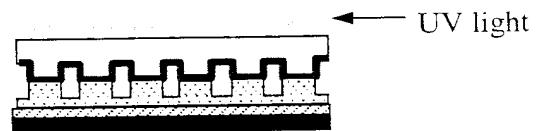


FIG. 1

- Apply electric field and maintain uniform gap to induce the liquid to adhere to the template



- UV cure the liquid



- Separate the template from the substrate.
- Etch to break-through UV cured liquid, followed by RIE etch transfer into transfer layer to obtain high-aspect ratio structure

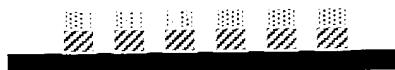
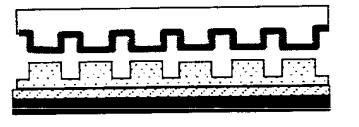


FIG. 2

- Apply electric field and maintain uniform gap to induce the liquid to be attracted to the template without making contact
- UV cure the liquid
- Etch to break-through UV cured liquid, followed by RIE etch transfer into transfer layer to obtain high-aspect ratio structure

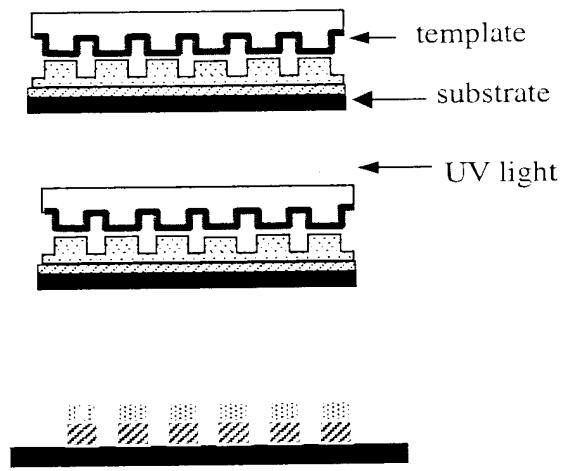


FIG. 3

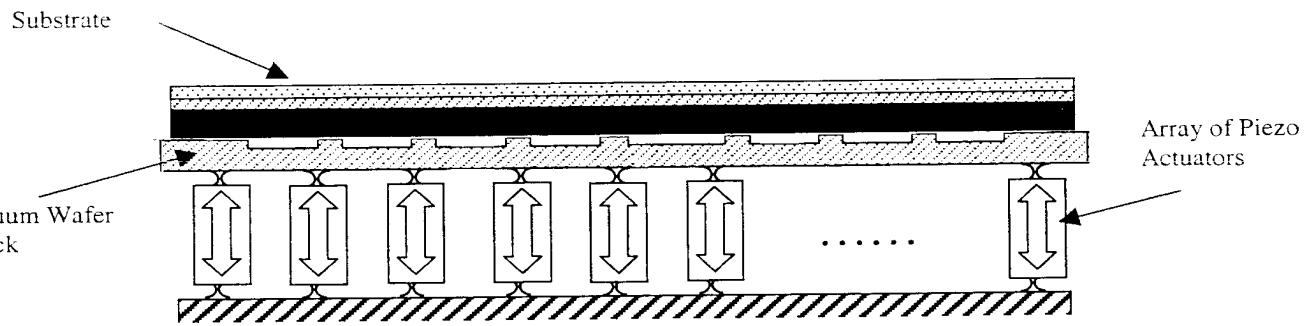


FIG. 4

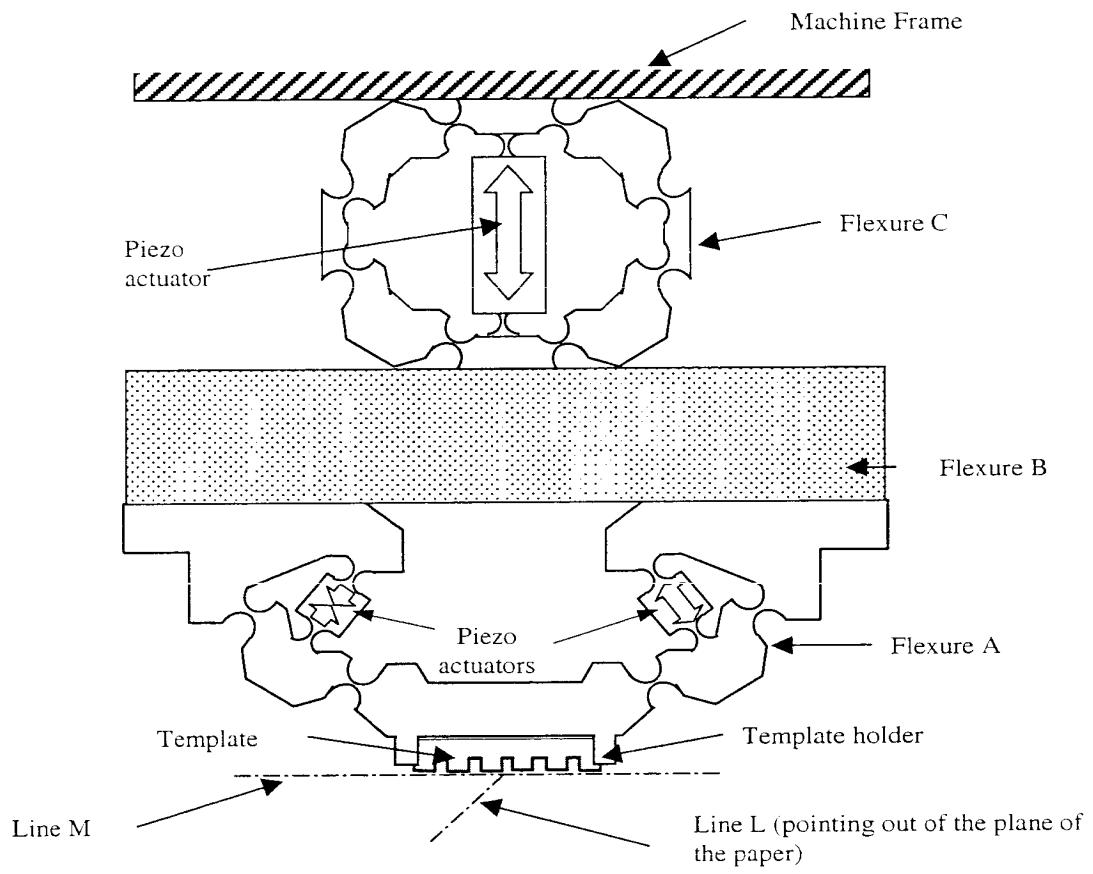


FIG. 5